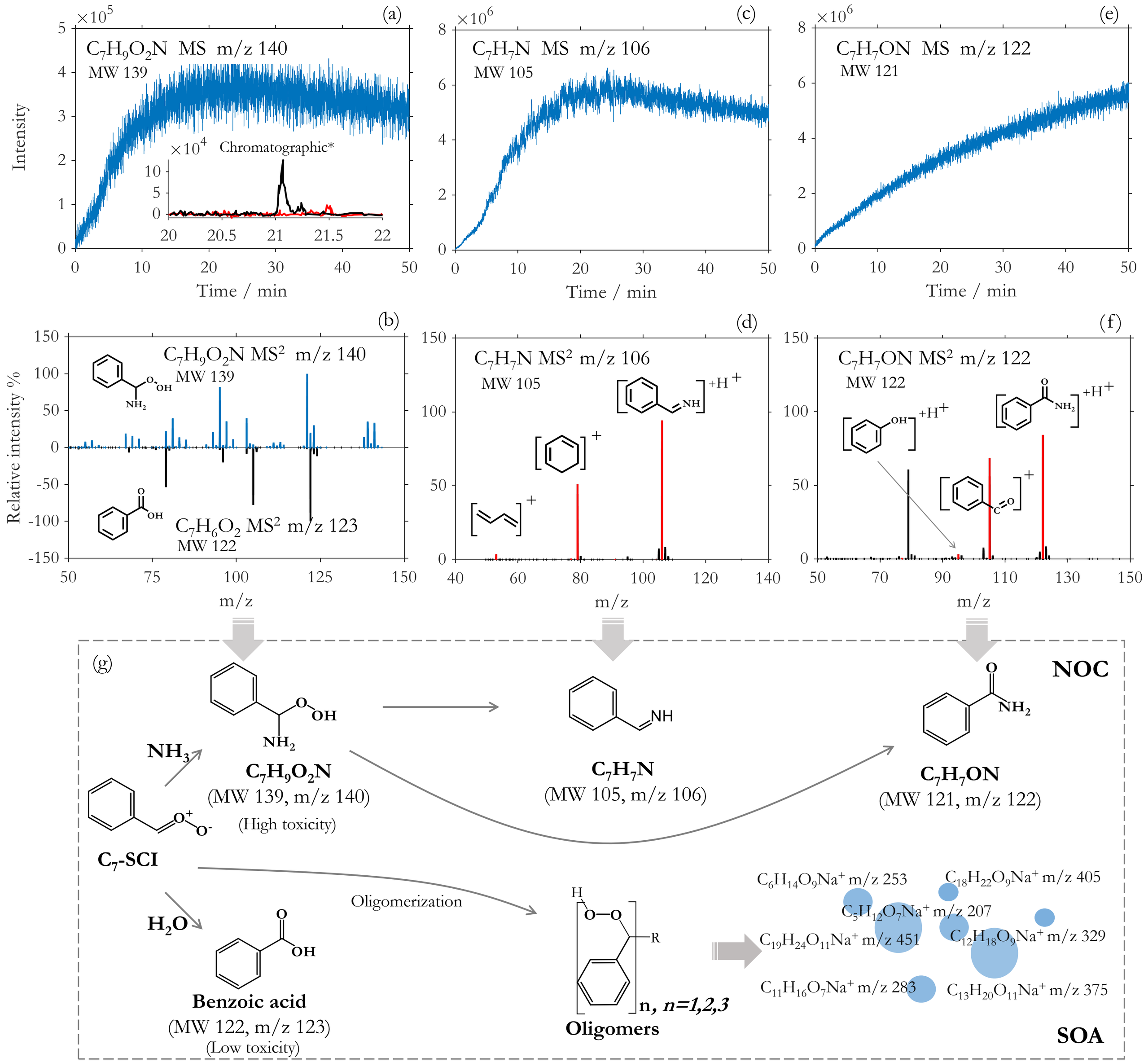
(a)
$C_7H_9O_2N$ MS m/z 140
MW 139
Chromatographic*
Intensity
Time / min
(c)
C_7H_7N MS m/z 106
MW 105
Time / min
(e)
C_7H_7ON MS m/z 122
MW 121
Time / min
(b)
$C_7H_9O_2N$ MS^2 m/z 140
MW 139
$C_7H_6O_2$ MS^2 m/z 123
MW 122
Relative intensity %
m/z
(d)
C_7H_7N MS^2 m/z 106
MW 105
m/z
(f)
C_7H_7ON MS^2 m/z 122
MW 122
m/z
(g)
NOC
NH_3
$C_7H_9O_2N$
(MW 139, m/z 140)
(High toxicity)
C_7H_7N
(MW 105, m/z 106)
C_7H_7ON
(MW 121, m/z 122)
C_7-SCI
H_2O
Benzoic acid
(MW 122, m/z 123)
(Low toxicity)
Oligomerization
n, n=1,2,3
Oligomers
$C_6H_{14}O_9Na^+$ m/z 253
$C_{18}H_{22}O_9Na^+$ m/z 405
$C_5H_{12}O_7Na^+$ m/z 207
$C_{19}H_{24}O_{11}Na^+$ m/z 451
$C_{12}H_{18}O_9Na^+$ m/z 329
$C_{11}H_{16}O_7Na^+$ m/z 283
$C_{13}H_{20}O_{11}Na^+$ m/z 375
SOA